Amendments Pursuant to 37 C.F.R. 1.121

IN THE CLAIMS:

Please amend claim 1 - 9 as follows. Claims 1 – 9 remain in the application.

1. (Currently Amended) A coplanar line comprising:

a first rectangular slab~~layer,~~ of a vertical multi-layered stack of rectangular slabs~~,~~ of dielectric material, said first rectangular slab having a first side, a second side and two edges;

a second rectangular slab~~layer,~~ of ~~a~~ said vertical multi-layered stack of rectangular slabs of dielectric material, said second rectangular slab having a dielectric constant less than 30~~,~~ and positioned adjacent and substantially parallel to said second side of said first rectangular slab ~~layer~~ of dielectric material, said second rectangular slab ~~layer~~ of dielectric material having a dielectric constant that is less than the dielectric constant of said first rectangular slab ~~layer~~ of dielectric material;

a first electrode adjacent to said first side of said first rectangular slab of dielectric material and a second electrode adjacent to said second side of said first rectangular slab of dielectric material ~~second electrodes~~ for applying a controllable voltage across said first rectangular slab of dielectric material thereby controlling a dielectric constant of said

first rectangular slab of dielectric material~~, wherein at least one of said first and second electrodes is positioned between said first and second layers of dielectric material~~;

a conductor positioned adjacent to a first edge of each of said first and second rectangular slabs of dielectric material ~~layers~~; and

first and second ground planes positioned on opposite ends of said conductor.

2. (Currently Amended) A coplanar line as recited in claim 1, further comprising:

means for applying a controllable voltage across said second rectangular slab of dielectric material, thereby controlling the dielectric constant of said second rectangular slab of dielectric material.

3. (Currently Amended) A coplanar line as recited in claim 1, further comprising:

a plurality of additional rectangular slabs of said vertical multi-layered stack of rectangular slabs ~~layers~~ of dielectric material positioned substantially parallel to said first and second rectangular slabs ~~layers~~ of dielectric material, said additional rectangular slabs ~~layers~~ of dielectric material ~~can~~ include at least one layer having a tunable dielectric constant.

4. (Currently Amended) A coplanar line as recited in claim 3, wherein said first, second and additional layers of dielectric material are assembled into a plurality of subassemblies, said subassemblies having the same arrangement of dielectric materials.

5. (Currently Amended) A coplanar line as recited in claim 1, wherein said first rectangular slab ~~layer~~ of dielectric material has dielectric constant greater than about 100 and a loss tangent of less than about 0.01.

6. (Currently Amended) A coplanar line as recited in claim 1, wherein said second rectangular slab ~~layer~~ of dielectric material is selected from the group consisting of a ~~Ba1-xSrxTiO3~~ $Ba_{1-x}Sr_xTiO_3$ composite where x ranges from zero to one, alumina, mica, and air.

7. (Currently Amended) A coplanar line as recited in claim 1, wherein said first and second rectangular slabs ~~layers~~ of dielectric material is selected from the group consisting of bulk, tape, thick film and thin film layers.

8. (Currently Amended) A coplanar line as recited in claim 1, wherein said first and second rectangular slabs ~~layers~~ of dielectric material each have a thickness less than about one tenth of the wavelength of a radio frequency signal to be transmitted through the coplanar line.

9. (Currently Amended) A coplanar line as recited in claim 1, wherein said first rectangular slab ~~layer~~ of dielectric material is selected from the group consisting of BSTO, BSTO-MgO, ~~BSTO-MgAl2O4~~ BSTO-$MgAl_2O_4$, BSTO-$CaTiO3_3$, BSTO-$MgTiO3_3$ and BSTO-$MgSrZrTiO6_6$.